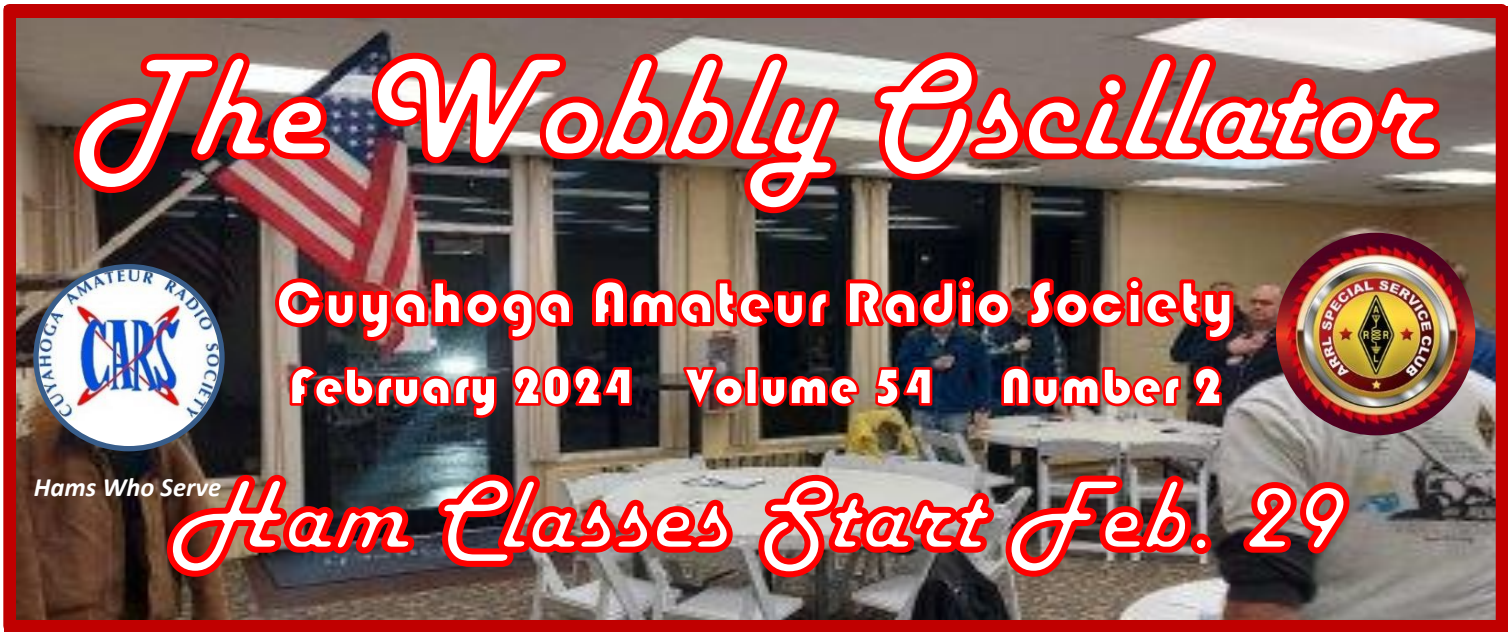

The Wobbly Oscillator
Cuyahoga Amateur Radio Society
February 2024 Volume 54 Number 2
Hams Who Serve
Ham Classes Start Feb. 29

From The Prez

Toby, WT8O

CARS' New Look

If you have not seen the new CARS website yet, you are really missing something special. Matt, KE8OZU, started from scratch zealously creating one awesome new site. He has compiled and displayed more information than we have ever presented before. On top of that, Matt constantly requests input from members about improving the website.

We cannot neglect mentioning what a great job our previous webmaster Bob, W8GC, did over the decades he managed the CARS site. Back when small clubs like ours were only considering designing a website, Bob created a dandy that endured the test of time and only recently was retired still using most of its original format and features.

The new website has gotten nothing but rave reviews from those who have been using it. If you haven't been there yet, check it out as soon as possible; I guarantee you will be impressed. Matt will be glad to get your feedback or any suggestions.

Licensing Classes

We will continue our practice of annually conducting amateur radio licensing classes open to all those who may be interested. Starting February 29th , we will hold classes every Thursday at 6:30 PM at the Seven Hills City Hall Community Room "C," located at 7325 Summit View Dr. The last class will be a VE testing session on April 11th. We will be offering Technician, General, and Amateur Extra classes, and the General course is FREE to any CARS member.

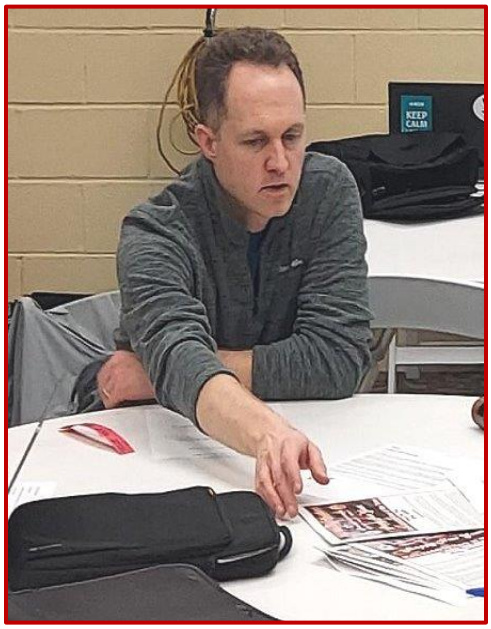
The cost of each class is $20.00; all materials are provided.

If you, or someone you know is interested in becoming a ham or upgrading to a higher license class, please join us. Contact me at wt8o@att.net or 440-525-6109 to register. We have had a very high success rate with our students over the years, and cordially invite all to attend.

March Dinner Meeting

Returning to post pandemic normalcy we will resume our tradition of semiannual dinner meetings in March. Gladly, there has been nothing but positive feedback since we announced it at our January meeting. We just need to decide where to go. Two suggestions were given, My Friends Restaurant in Cleveland and Simon's in Brecksville. We have enjoyed both of these eateries for our club dinner meetings in the past.

We are open to other suggestions, always wanting to try something new. If would like to try another place contact me, bring it up on the net, or at the next meeting. We will vote at the February meeting deciding where we would like to go.



Matt, KE8OZU, prepares for the meeting.

David Kazdan, AD8Y, held the group's attention speaking about the upcoming solar eclipse.

Next CARS Meeting

Tuesday, Feb. 13 - 7:30 PM

Busch Community Room
7501 Ridge Rd. - Parma

Toby Kolman, WT8O

Will present a program on:

Navajo Code Talkers

See Website for Details - www.2cars.org

January Meeting Minutes

LOCATION - The meeting was held on January 9th, 2024, at the Busch Funeral Home on Ridge Road in Parma, Ohio

CALLED TO ORDER - The meeting was called to order by President Toby Kolman, WT8O, at 7:30 PM

PLEDGE OF ALLEGIANCE - Those present pledged allegiance to the flag of the United States of America.

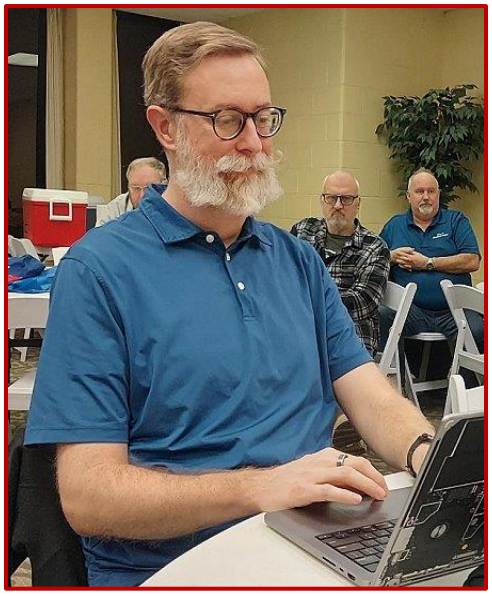
INTRODUCTIONS - Those present introduced themselves. The meeting had 20 attendees.

NOVEMBER MINUTES - The November minutes were approved as published in the January issue of the *Wobbly Oscillator (WO)*.

TREASURER'S REPORT - Matt Perlman, KE8OZU, reported all items have been transitioned over from Bob Check, W8GC. The annual financial audit is being scheduled. No concerns were reported with the financials.

PRESIDENT'S REPORT - Toby Kolman, WT8O, reported the following:

- Licensing classes - Start February 29th. Open to members and non-members. We will offer Tech, General, and Extra classes. Contact Toby to sign up or see the details on the website.
- The Seven Hills Christmas Parade went great.
- The holiday party went well, and we are open to feedback on the event. Thank you to Mark, WJ8WM, who donated the gifts and gift cards for the event.
- The following position needs to be filled - Holiday party/Picnic committee chairman.
- Thank you to everyone who sent in contributions to the *WO*. Please share any suggestions with Toby.
- Roster accuracy and availability: please notify the webmaster or Toby if you have any changes.
- George, K8KR, was featured in an article in the *WO* on his work at the QSL Bureau at the ARRL.
- A reminder to please leave the parking spots at the bottom of the hill for folks who have trouble walking.



Matt, NU8H, flashes over the keys doing his usual brilliant job recording the minutes of the January meeting. (L)

John, NU8Y, and Chuck, K8CVM, were all smiles before the meeting. (R)

VICE PRESIDENT'S REPORT - Ron Hollas, K8RJH, reported the following:

- Consider the Value of ARRL Membership! Long Standing, Growing Services, Public Service, Education, Advocacy, and Technology Access. *Support CARS with your Membership renewal!*
- ARRL Advocacy
    - ARLB025 Comment Deadlines Set on Proposed 60 Meter Band Changes, and
    - WT Docket No. 16-239, RM-11708 Elimination of the Baud Rate Limitation in Applicable Amateur Radio Bands is now in effect for most HF Bands. New permitted Bandwidths as of January 8, 2024, are 2.8 kHz for transmitted data spectrum replacing "symbol rates".
    - Additionally, WT Docket No. 16–239 is open for comment until Jan 22, 2024 for a similar proposed rulemaking for the VLF and VHF/UHF bands.
    - Additional information can be found in the "Regulatory & Advocacy" section on the ARRL website.
- Great Lakes Director Election - Congratulations to Scott Yonally, N8SY, our new ARRL Great Lakes Director. Scott will serve a 3-year term beginning Jan 1, 2024. The Great Lakes Vice Director is Roy Hook, W8REH.

David Kazdan, AD8Y, from Case Western Reserve University, enlightened the club about the effects of the solar eclipse on communications.

Jim, KE8TLG, is usually out of town on business on meeting nights, but in January he showed up and took home the loot. Andy. KD8SCV, made sure all was fair and square.

- HamSCI 2024 Workshop - Ham Radio Science Citizen Investigation (HamSCI) will hold its sixth annual workshop on March 22 - 23, 2024, at Case Western Reserve University in Cleveland, Ohio. Registration is now open, and the deadline is March 1, 2024.
- ARRL Magazines - Reminder… Be sure to contact ARRL Member Services at 1-860-594-0200 if the member wishes to continue receiving *QST* by mail after January 1, 2024. Check out the ARRL website for additional information and pricing.
- Latest ARRL Podcast - December / January 2024 issue, "More About Bits and Baud". This issue explains the differences between bit rate and baud rate, as well as why hams are concerned with these measurements in the first place.
- ARRL Audio News – For the latest in Amateur Radio News and Developments, Available and posted weekly every Friday. Check out ARRL.org for the audio link subscriptions to these podcast files.

SECRETARY'S REPORT - Secretary Matt Neely, NU8H, has nothing to report.

PUBLIC SERVICE - Chuck, K8CVM, shared the following upcoming events need volunteers:

- ARES VHF Simplex Contest and the ARRL January VHF Contest are both the weekend of January 20th.
    - The ARES simplex contest is on January 20th from 10-4 PM. More info can be found at: https://ohsimplex.org/
        - N8ESG will be operating as a rover.
        - N8CUY will be operating as the Cuyahoga EOC.
    - The ARRL contest is January 20-22, 2024. More information can be found at: https://www.arrl.org/january-vhf/
    - These contests are great ways to foster simplex skills.
- District 10 ARES Conference is Saturday, Feb 17th, from 8 AM to 4 PM. Registration is fee. All are welcome to attend. More info at https://n8esg.org/conference/.
- All CARS members are invited to the local ARES meeting. The meetings are held at the Helwig Whistle Stop on the third Tuesday of the month. Visit https://n8esg.org/ for details.
- Ohio NVIS day is Saturday, April 27th, from 10 AM until 4 PM.

VE UPDATE - Metro, W8MET, reported the next VE session is Sunday, March 10th, at 9:15 AM at the Old Elmwood Recreation Center, 6200 Pete Wisnieski Pkwy., Independence, OH 44131.

PROGRAM COMMITTEE - Joe, KD8BAL, reported that

- Today's program is Professor David Kazdan, AD8Y, from Case Western Reserve University (CWRU), presenting on the effects of the solar eclipse on communication.
- February's program will be Toby, WT8O, presenting on the Navajo Code Talkers, radio operators from WWII.

TECH COMMITTEE - Ron, K8RJH, reported on improvements made to the repeater system.

BOARD CHAIRMAN - Mark Moro, WJ8WM, provided the following summary of the previous board meeting:

- All members are welcome to attend the board meeting.
- Welcome John Dernar, NU8Y, to the board.
- Ron, K8RJH, has offered to deliver paper copies of the *WO* to select individuals who should be informed of our work. We will also include some cities we work in to tell them of our work.
- The remaining board meetings of the year have been scheduled for March 21st and May 16th. Details on the location and time will be shared when they are available.
- Contact Mark, WJ8WM, if you have items the board should be aware of. If needed, special meetings can be scheduled to address pressing topics.

OLD BUSINESS - Toby, WT8O, led a discussion on the following:

- 10 (HF) Meter net.
    - Another local HF net is held on 28.425Mhz
    - Thursday, 8 PM, USB, Woodchuck HF net.
- New badge designs were shared.
- CARS clothing is available on the website.
- In-field events.

Refreshments and small talk before the meeting.

NEW BUSINESS - Toby, WT8O, led a discussion on the following:

- Winter Field Day - CARS is looking at holding a Winter Field Day event. If you are interested, contact Toby.
- Livonia Hamfest in Michigan on Saturday, February 17th.
- Planning a dinner meeting for March. Send Toby ideas on places to eat. At next month's meeting, a location will be picked.

REFRESHMENTS - Toby, WT8O, thanked Ron, K8RJH, for soft drinks and water, Matt, NU8H, for doughnuts, and John, NU8Y, for coffee.

NEXT MEETING - The next meeting of The Cuyahoga Amateur Radio Society will be February 13th at the Busch Funeral Home on Ridge Road in Parma, Ohio.

50/50 Drawing - Jim, KE8TLG, won the 50/50 drawing.

ADJOURNMENT - Toby, WT8O, adjourned the meeting at 8:20 PM.

Submitted by Matt Neely, NU8H, CARS Secretary

February Net Sked

Feb	7	KD8ACO
Feb	14	AC8NW
Feb	21	AC8TN
Feb	28	WT8O

Nets are run every Wednesday at 9:00 PM on:

146.820 (PL 110.9)

443.825(+) PL Tone 131.8
Digital Yaesu Fusion / C4FM
Linked to the 146.82 Repeater

EchoLink Node 343470 (K8ZFR-R)

Allstar Node 47067

WIRES X Node 91242-Room 01242

Mark, WJ8WM; Andy, KD8SCV; and Joe, KD8BAL.

CARS Board of Directors Meeting
January 4, 2024

LOCATION — The Clubhouse Restaurant in Parma Heights, Ohio

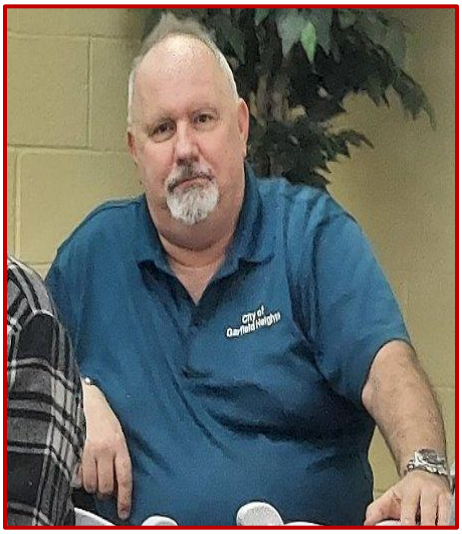
MEMBERS IN ATTENDANCE — Mark Moro, WJ8WM, Board Chairman; Ron Hollas, K8RJH; Toby Kolman, WT8O; Scott Smith, AC8NW; John Dernar, NU8Y; Matt Perlman, KE8OZU

CALLED TO ORDER — The meeting was called to order by President Toby Kolman, WT8O, at 7:06 PM.

MOTION — Arp, K8ARP, motioned, Bob, K8RGI, seconded, and the Board unanimously approved the following:

- Mark Moro, WJ8WM, will be the chairman of the board in 2024

Mark thanked the board for showing their trust in him continuing as board president and presided over the remainder of the meeting.



The Chairman of the Board.

DISCUSSION — The Board discussed the following items:

- Distribution of printed copies of the *WO*
  - Mark, WJ8WM, has a color laser printer that he will loan to the Club for printing copies of the *WO*.
  - Ron is delivering copies of the *WO* to both the Cleveland and Cuyahoga County EOC offices soon.
  - Copies of the *WO* should be mailed to Seven Hills, Brecksville, and other local communities where CARS has a presence.
  - The *WO* won't be mailed to members. In special circumstances, the Sunshine Committee may print and mail or deliver copies of the *WO* to members.
  - The Club will investigate distributing the *WO* through the Cuyahoga County Public Library.
  - The Club is looking for other opportunities for publicity, including the Seven Hills and Independence Home Days celebrations in 2024.
- The badges need an updated design. Toby, WT8O, will bring new design options to the January 2024 Club meeting.
- Debit card
  - The Club debit card has been ordered through the bank and is expected to be delivered this month.
  - Debit card purchases, online bill pay, and paper checks are all counted toward the minimum transactions required to achieve a higher interest rate on the CARS savings account.
- The Club PO Box has been reestablished with the same number as before - 31264.
- Board Meeting schedule
  - The tentative Board Meeting schedule for 2024 is March 21 and May 16.
  - The March 21 meeting is planned to cover any topics required for Hamvention on May 17-19.
  - The May 16 meeting is planned to cover any topics required for Field Day on June 22-23.

- Ron, K8RJH, and Andy, KD8SCV, will look into distributing Licensing Class flyers to local school district STEM (science, technology, engineering, and math) coordinators.
- John, NU8Y, will research discounted quality radios for individuals who take the License Class and obtain their amateur radio license.

ADJOURNMENT — Mark, WJ8WM, adjourned the meeting at 7:51 PM and thanked those who attended.

Submitted by Matt Perlman, KE8OZU, CARS Treasurer

January VE Session

Once again, Metro, W8MET, competently led his outstanding VE team consisting of Roger, N8TCP; George, K8KR, and Linda, N8LRS, to another successful VE Session on Sunday January 14th, 2024, at the Old Elmwood Recreation Center in Independence.

Seven hams passed their Technician exams becoming licensed amateurs. Congratulations to David Baran, KE8ZZA; Kathleen Cunningham, KE8ZZO; Harry Edwards, KE8ZZR; Timothy Jones, KF8AAE; Timothy Sanborn, KF8AAF; William Thelen, KE8ZZP, and Michael Gellick, KE8ZZQ, and welcome to the Amateur Radio Service. Michael Gellick, KE8ZZQ, also upgraded to General. Well done by all.

The next VE testing session will be held Sunday, March 10th, at 9:15 AM at the Old Elmwood Recreation Center, 6200 Pete Wisniesky Parkway, Independence 44131. Directions and a map are on the CARS website homepage. For information or an appointment please contact Metro, W8MET, at 216-520-1320 or metro351@sbcglobal.net

As always, walk-ins are welcome.

CARS Repeaters

146.820 (-) PL Tone 110.9

Analog Repeater

Main Site – Brecksville

Receive Only Site – Brunswick

Receive Only Site – Shaker Hts.

AllStar Node 47067

EchoLink Node 343470 (K8ZFR-R)

WIRES X Node 91242 Room 01242

****

443.825 (+) PL Tone 131.8

Digital Yaesu Fusion

Linked to 146.820 Repeater

Brecksville

****

444.75 (+) PL Tone 131.8

Analog Repeater

Not Linked to Other Repeaters

Shaker Hts.

Amateur Radio's History in Public Service

Ron, K8RJH

Many of our new Licensed Hams as well as some of our experienced operators may not be aware of the extensive history that Amateur Radio has participated in over the last Century. Since the 1900's, Amateur Radio operators have volunteered their time and stations helping their local communities with assistance in various communication needs, from initial reporting on life threatening events to general welfare messages for individuals. This is still true today. We all have a great chance to participate in many planned and unplanned activities in our local activities as this year unfolds. It simply takes our interest and time to offer our skills in helping others.

The "formal" history of the Amateur Radio Emergency Service begins in 1935 with a note published in the Sept. 1935 issue of QST magazine asking hams interested in signing up for emergency communications to write to ARRL League HQ in Newington CT. Initial instructions were for members to contact their local civic officials and offer their services. The goal was to have at least one ARRL Emergency Corps member in each community across America. Within two years, the first local emergency coordinators were appointed in 1937.

Following WWII, the position of Section Emergency Coordinator was established as an official appointment to be made by the Section Communications Manager, (now SM). In 1951 the AEC became the Amateur Radio Emergency Corps (AREC). In 1963 the AREC was made the emergency division of the Amateur Radio Public Service Corps. In 1978 the AREC was changed to ARES.

It is important to note that the American Radio Relay League (ARRL) sponsored the Amateur Radio Public Service Corps (ARPSC), as a voluntary organization of licensed amateur radio operators. It was in answer to a Federal Communications Commission mandate in Part 97 under Basics and Purpose, to enhance, *"the value of the amateur service as a voluntary noncommercial communications service, particularly with respect to providing emergency communications."*

To support the Amateur Radio Emergency Services activities, the ARRL organized the National Traffic System in 1949, which is the largest amateur message relay system in the world and is used by amateur radio operators as a 365-day a year public service. The Communications Department of the ARRL in Newington, CT officially manages the activities of ARES and the NTS.

This Certifies that_____
is a member of the
AMERICAN RADIO RELAY LEAGUE
EMERGENCY CORPS
FOR PUBLIC SERVICE
ARRL
This operator is prepared to furnish communication to his community in the event of failure of regular communication facilities due to storms, floods and similar disasters.
_____Comms. Mgr. A.R.R.L.

The original notice published in the 1935 Edition of QST for the forming of an "Emergency Corps". (L)

The National Traffic System Logo. These Amateur Nets have been in operation since 1949 and used in major disasters. (R)

The NTS is a system of traffic or message handling nets, which meet daily across the USA. In this system a message can be introduced at any point within the system and be delivered at any other point intact. This system covers all of the US, its territories, and possessions and all of Canada. To assure that a message is not lost or changed in transit the NTS has over the years established a format for message transmission within the NTS. It is currently being modernized with enhanced messaging and digital tools for Amateur Radio while still maintaining the traditional Voice and CW nets familiar with Ham operators.

There is a place for any Amateur to assist with public service and emergency communications. We can help in disasters such as hurricanes, earthquakes, and wildfires, and train our communication skills by supporting for public events such as parades, marathons, and bike races. This year has a good schedule of local events in our Northeastern Ohio community that I encourage our Club members to participate.

Amateur radio provides a means of communication "*when all else fails*".

For Additional Information

National Traffic System: https://nts2.arrl.org/

The Great Ohio River Flood of 1937: https://www.weather.gov/media/lmk/pdf/posters/GreatFlood1937_Poster.pdf

https://www.historynet.com

Schedule of Northeastern Ohio Public Service Events: https://n8esg.org/events/

Views of Cincinnati Ohio – Great Flood of 1937

Just 2 years after the ARRL formed the "Emergency Corps" The Great Ohio Flood of 1937 occurred in January with waters being above flood stage lasting for nearly a month. Amateur radio operators from Memphis to Paducah to Baltimore sent word on evacuees' fates ("W9CXG, Paducah, Kentucky, calling WREC shortwave") to any possible receiver. Powerhouse AM Stations such as WLW Cincinnati and WHAS Louisville were completely off the air. With the Ohio river an astonishing 38 feet above flood stage in parts of the valley, evacuation and devastation created 200,000 refugees in Louisville alone, and smaller river communities such as Paducah, Ky., and Cairo, Ill., were completely empty. The flood saga had become a nationwide sensation. By January 27, the NBC network had broadcast some 70 Amateur Radio emergency reports. Those who heard the flood broadcasts, nearly 90 years on, the solemn intonation "Send a boat!" is instantly recognizable Kentucky slang for "It's an emergency".

Matt, NU8H Activates Oregon Park

While on vacation in Eugene, Oregon, Matt, NU8H, completed a Parks on the Air (POTA) activation by activating park K-9986 (West Eugene Wetlands BLM Recreation Management Area). He used an Icom IC-705 to make 12 contacts on 20m using a mix of FT4 and FT8. For antennas, he used an Elecraft AX1 and Packtenna EFHW.

Honorary Members

Any person who by nature of outstanding or meritorious contribution to the furtherance of amateur radio and the ideals of the Cuyahoga Amateur Radio Society

Robert Check, W8GC
Elected 2/10/15

Thomas Wayne, WB8N
Elected 1/10/17

Dwaine Modock, K8ME/SK
Elected 5/9/17

Toby Kolman, WT8O
Elected 10/10/17

Jerry Smith, NW9H
Elected 5/8/18

Ron Borkey, K8VJG/SK
Elected 5/14/19

Ed Stevens, WB8ROK/SK
Elected 8/10/21

Vince Bak, N8OVW/SK
Elected 11/14/23

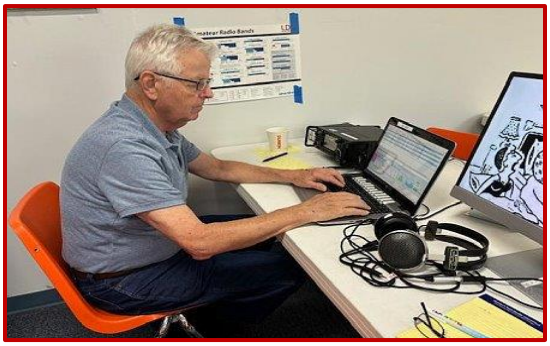
Winter Field Day Bob, K8RGI

Bob, K8RGI, enjoyed the warm Florida weather when he participated with the Tamiami Amateur Radio Club in the 2024 Winter Field Day contest. Bob drove about 25 minutes from his QTH to the nearby U.S. Coast Guard Auxiliary station Friday afternoon to set up the antennas.

The club operated two transceivers in the “I” or indoor category. One transceiver was set up for SSB and the other for either PSK or CW. Bob operated the CW station about four hours total.

He had a very nice time just operating and letting someone else set up.

Mosey down to sunny Florida and checkout Bob, K8RGI, enjoying Winter Field Day.



The *Wobbly Oscillator* is a publication of the Cuyahoga Amateur Radio Society. Articles from this publication may be reprinted in any ham radio publication, if credit is given to this publication and the author, if known. All submissions should be emailed to: Toby Kolman, WT8O at wt8o@att

2024 CARS Committees, Officers, Board and Trustees

CARS 2024 Committees

50/50
Chair: Andy Evridge, KD8SCV

Audio/Video
Chair: Scott Smith, AC8NW

Awards
Co-Chairs: Bob Check, W8GC and Toby Kolman, WT8O

Fund Raising
Chair: Bob Check, W8GC
Members: Ron Hollas, K8RJH, Matt Perlman, KE8OZU and Gary Schmid, WA8GCR

ARRL Liaison
Chair: Ron Hollas, K8RJH

Audit
Chair: Ron Hollas, K8RJH
Members: Eddie Stevens, KD8FTS and Toby Kolman, WT8O

Field Day
Co-Chairs: Bob Robbins, K8RGI and Toby Kolman, WT8O
Members: Scott Smith, AC8NW, David Korow, AC8TN, Arp Viiberg, K8ARP, Ron Hollas, K8RJH, Andy Evridge, KD8SCV and Mark Moro, WJ8WM

Hamvention Bus
Chair: Eddie Stevens, KD8FTS
Member: Toby Kolman, WT8O

Historian
Chair: Toby Kolman, WT8O

Holiday Party, Summer Picnic
Chair: Toby Kolman, WT8O
Members: Arp Viiberg, K8ARP, Kim Balach Costa, KD8FTU, Diane Balach, KD8FTV and Mark Moro, WJ8WM

License Classes
Chair: David Noeth, KD8ACO
Members: Joel Chaney, K8SHB and Toby Kolman, WT8O

Media Representative
Chair: Andy Evridge, KD8SCV

Membership
Chair: Toby Kolman, WT8O
Member: Bob Check, W8GC

Net
Chair: Toby Kolman, WT8O
Members: Scott Smith, AC8NW, David Korow, AC8TN, Ron Hollas, K8RJH and David Noeth, KD8ACO

Newsletter
Chair: Toby Kolman, WT8O

Programs at Meetings
Chair: Joe Ulaszewski, KD8BAL
Members: Eddie Stevens, KD8FTS and Matt Perlman, KE8OZU

Property to Sell Custodian
Chair: Bob Check, W8GC

Public Service
Chair: Eddie Stevens, KD8FTS
Member: Arp Viiberg, K8ARP

QSL Manager
Chair: Metro Sinko, W8MET

Quartermaster
Chair: Toby Kolman, WT8O

Records Custodian
Chair: Terry Pillatt, KB8DTC

Refreshments - Coffee
Chair: John Dernar, NU8Y

Refreshments - Donuts
Chair: Matt Neely, NU8H

Refreshments - Pop
Chair: Ron Hollas, K8RJH

Scholarship
Chair: Bob Check, W8GC
Members: Bob Robbins, K8RGI, Ron Hollas, K8RJH, Matt Perlman, KE8OZU and Toby Kolman, WT8O

Sunshine (Welfare)
Chair: Andy Evridge, KD8SCV

Technical
Chair: Scott Smith, AC8NW
Members: Mark Scoville, AD8KE, Ron Hollas, K8RJH, Terry Pillatt, KB8DTC, Mark Rosewicz, KC8ESG, David Noeth, KD8ACO and Mark Moro, WJ8WM

VE Exams
Chair: Metro Sinko, W8MET

Webmaster/email
Chair: Bob Check, W8GC
Member: Matt Perlman, KE8OZU

2024 Officers

President
Toby Kolman, WT8O
440-525-6109
wt8o@att.net

Vice-President
Ron Hollas, K8RJH
216-379-7440
ron@hollas.co

Secretary
Matt Neely, NU8H
216-965-4476
matt@matthewneely.com
Alternate Secretary: Matt Perlman, KE8OZU

Treasurer
Matt Perlman, KE8OZU
216-337-1540
matt@seagem.me

CARS 2024 Executive Board

Board Chair

Mark Moro, WJ8WM
216-496-2871
Alternate: Arp Viiberg, K8ARP

Odd Year Board Members

Arp Viiberg, K8ARP, Bob Robbins, K8RGI and Eddie Stevens, KD8FTS

Even Year Board Members

Scott Smith, AC8NW, John Dernar, NU8Y and Mark Moro, WJ8WM

CARS License Trustees

K8ZFR Trustee

Toby Kolman, WT8O

W8HBI Trustee

Bob Check, W8GC

W8BM Trustee

Bob Check, W8GC

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